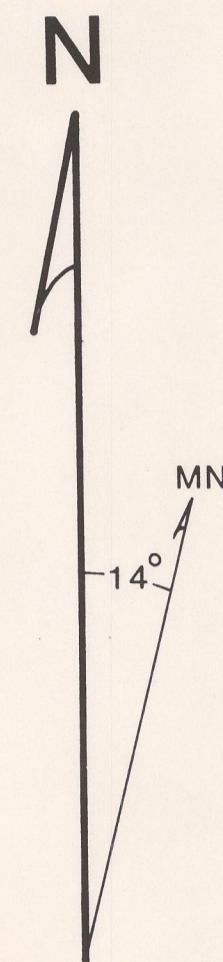


Figure 4
GEOLOGIC MAP AND STRUCTURE SECTION OF
THE NORTHERN DOME ROCK MOUNTAINS
LA PAZ COUNTY, ARIZONA

by Kenneth J. Yeats

Scale 1:12,000
0 1 mile
0 1 kilometer
Contour interval 20 and 40 feet
Topographic base by U. S. Geological Survey



EXPLANATION

ROCK UNITS

LATE TERTIARY-QUATERNARY
OT_s SURFICIAL DEPOSITS

Cratonic Stratigraphy

EARLY MESOZOIC(?)
th TUNG HILL METASEDIMENTARY ROCKS

PALEOZOIC
P_{2u} PALEOZOIC(?) ROCKS, undivided
PP₂ SUPAI FORMATION
D_mM₂ MARTIN AND ESCABROSA MARBLES
C₂ ABRIGO SCHIST
C_b BOLSA QUARTZITE

PRECAMBRIAN
pC_b GRANITIC BASEMENT

McCoy Basin Rocks

MESOZOIC(?)
mrp METARHYODACITE PORPHYRY
msv METASEDIMENTARY-VOLCANIC ASSEMBLAGE

Igneous and Metagneous Rocks

TERTIARY
D₁ DIORITE DIKES - undeformed
LATE MESOZOIC OR EARLY CENOZOIC
twg TYSON WASH GRANITE
A₁ APLITE DIKES - foliated
lg LEUCOGRANITE - unfoliated to weakly foliated
MESOZOIC - JURASSIC(?)
gnlg GNEISSIC LEUCOGRANITE
J_{gn} GNEISSIC MONZOGONITES
J_{mc} MIDDLE CAMP GRANITE
J_{gds} GRANODIORITE SCHIST
MESOZOIC(?)
srgn SOUTH RIDGE AUGEN GNEISS
P₁ PORPHYRITIC RHYOLITE DIKES - foliated
as-md AMPHIBOLE SCHIST AND METADIORITE
PRECAMBRIAN OR MESOZOIC
tgn TYSON AUGEN GNEISS

STRUCTURAL SYMBOLS

CONTACTS

Dashed where approximately located or inferred, dotted where concealed
45 Depositional or intrusive contact, variably sheared, showing dip
30 Strongly sheared lithologic contact, showing dip
25 Shear zone (ductile fault), sawteeth on upper plate, showing dip and relative displacement
High-angle brittle normal fault, barbell on hanging wall

FOLDS

Axial trace of folds, showing direction of plunge
Antiformal fold in foliation
Synformal fold in foliation
10 Asymmetric S-fold in foliation, showing dip of axial surface
10 Asymmetric Z-fold in foliation, showing dip of axial surface
Overturned syncline
Overturned anticline
25 Minor folds, general trend and plunge

FOLIATIONS AND LINEATIONS

37 Strike and dip of foliation:
- showing trend of lineation
- showing trend of mylonitic lineation and sense of shear (top in direction of arrow)
10 Strike and dip of cleavage

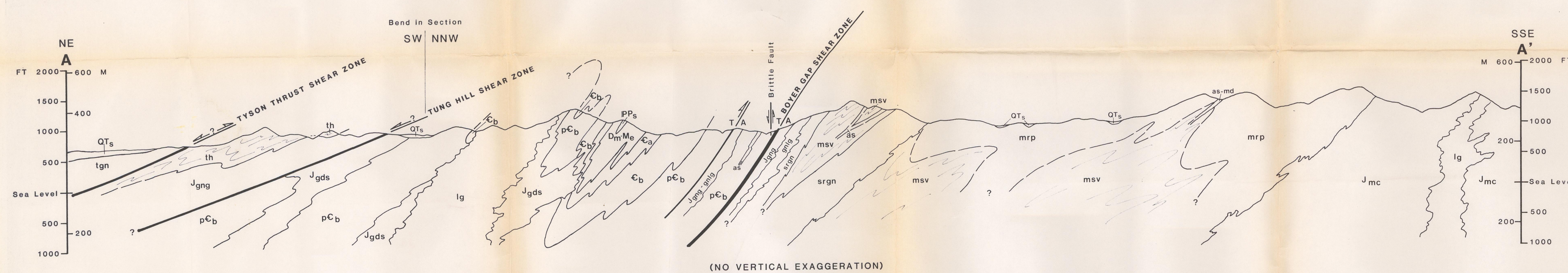


Figure 4.
Geologic map and structure section of
the northern Dome Rock Mountains, La Paz County, Arizona
K.J. Yeats, M.S. Thesis, 1985
Dept. of Geosciences, University of Arizona